

# 《比较基因组学/Comparative》

## 图书基本信息

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## 内容概要

This book constitutes the refereed proceedings of the 4th RECOMB Comparative Genomics Satellite Workshop, RECOMB-CG 2006, held in Montreal, Canada in September 2006. The 17 revised full papers presented were carefully reviewed and selected from 34 initial submissions. The papers address a broad variety of aspects and components of the field of comparative genomics, ranging from new quantitative discoveries about genome structure and process to theorems on the complexity of computational problems inspired by genome comparison.

## 书籍目录

Reconstructing Domain Compositions of Ancestral Multi-domain Proteins  
Domain Architecture in Homolog Identification  
Inferring Positional Homologs with Common Intervals of Sequences  
On Genome Evolution with Accumulated Change and Innovation  
Paths and Cycles in Breakpoint Graphs of Random Multichromosomal Genomes  
Common Intervals and Symmetric Difference in a Model-Free Phylogenomics, with an Application to Streptophyte Evolution  
How Pseudo-boolean Programming Can Help Genome Rearrangement Distance Computation  
Sorting by Translocations Via Reversals Theory  
Inferring Gene Orders from Gene Maps Using the Breakpoint Distance  
Ordering Partially Assembled Genomes Using Gene Arrangements  
Evolution of Tandemly Repeated Sequences Through Duplication and Inversion  
A PQ Framework for Reconstructions of Common Ancestors and Phylogeny  
Intron Loss Dynamics in Mammals  
Finding Maximum Likelihood Indel Scenarios  
Conservation Patterns in cis-Elements Reveal Compensatory Mutations  
Transcription Factor Centric Discovery of Regulatory Elements in Mammalian Genomes Using Alignment-Independent Conservation Maps  
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